PATENT COOPERATION TREATY PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 605988C	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).			
International Application No. International Filing Date (day/month/year)		Pate Priority Date (day/month/year)			
PCT/AU2003/001090	27 August 2003	27 August 2002			
International Patent Classification (IPC) or	national classification a	and IPC			
Int. Cl. ⁷ C02F 1/52, 1/58, C05F 9/04					
Applicant					
NAUVEAU TECHNOLOGY IN	VESTMENTS LTD	et al			
		·			
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of 3	sheets, including this	cover sheet.			
This report is also accompanied	by ANNEXES, i.e., she	eets of the description, claims and/or drawings which have been containing rectifications made before this Authority (see Rule			
70.16 and Section 607 of the Adi					
These annexes consist of a total of	of 1 sheet(s).	•			
3. This report contains indications relating	g to the following items	3:			
I X Basis of the report					
II Priority					
	cont of ominion with record to nevelty inventive stan and industrial applicability				
IV Lack of unity of invention	ishment of opinion with regard to novelty, inventive step and industrial applicability				
· <u> </u>		and to maralty inventive stem or industrial applicability:			
	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited	VI Certain documents cited				
VII Certain defects in the int	VII Certain defects in the international application				
VIII Certain observations on the international application					
Date of submission of the demand Date of completion of the report					
29 March 2004		21 December 2004			
Name and mailing address of the IPEA/AU		Authorized Officer			
AUSTRALIAN PATENT OFFICE	T 1.A				
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/AU2003/001090

I.	Basis of the repor	rt			
1.	With regard to the elements of the international application:*				
	the international application as originally filed.				
	X the description,	pages 1-29, as originally filed,			
		pages , filed with the demand,			
		pages, received on with the letter of			
	X the claims,	pages 30-31, 33 as originally filed,			
		pages , as amended (together with any statement) under Article 19,			
		pages, filed with the demand,			
		pages 32, received on 22 July 2004 with the letter of the same			
	the drawings,	pages , as originally filed,			
		pages , filed with the demand,			
		pages, received on with the letter of			
	the sequence list	ing part of the description:			
	•	pages , as originally filed			
		pages, filed with the demand			
		pages, received on with the letter of			
2.	which the international application was filed, unless otherwise indicated under this item.				
	These elements were available or furnished to this Authority in the following language which is:				
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).				
		publication of the international application (under Rule 48.3(b)).			
	the language of and/or 55.3).	the translation furnished for the purposes of international preliminary examination (under Rules 55.2			
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:				
	contained in the international application in written form.				
filed together with the international application in computer readable form.		ith the international application in computer readable form.			
	furnished subsec	quently to this Authority in written form.			
	quently to this Authority in computer readable form.				
		nat the subsequently furnished written sequence listing does not go beyond the disclosure in the polication as filed has been furnished.			
	The statement that the information recorded in computer readable form is identical to the written sequence listing habeen furnished				
4.	The amendment	s have resulted in the cancellation of:			
1	the des	cription, pages			
	the clai	ms, Nos.			
	the dra	wings, sheets/fig.			
5.		been established as if (some of) the amendments had not been made, since they have been considered to isclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).				
**		et containing such amendments must be referred to under item 1 and annexed to this report			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/AU2003/001090

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

١	1. Statement		
l	Novelty (N)	Claims 1, 25-35	YES
		Claims 2-24	NO
	Inventive step (IS)	Claims 1, 25-35	YES
		Claims 2-24	NO ·
l	Industrial applicability (IA)	Claims 1-35	YES
l		Claims	NO

2. Citations and explanations (Rule 70.7)

D1: WO 2002/034673

D2: HU 208102

D1 discloses treating water containing dissolved inorganics with neutralised red mud. However, it does not disclose the treatment of water containing suspended solids as required in claim 1. Thus, claim 1 is novel and inventive over D1.

D1 discloses using red mud or treated red mud to treat wastewater as described in claims 2, 18 and 19. The applicant's arguments that D1 does not disclose treatment of water containing dissolved phosphorous species or sulfur species is incorrect. Such substances are specifically disclosed in D1 (see page 8, lines 10-15 for example). In the subsequent pages, several examples of additives are discussed, to be used depending on the circumstances of treatment, and use of precipitating agents as required in claim 2. Furthermore, whilst no mention is specifically made that removal of sulfur containing compounds is done to decrease odour, sulfur compounds are well known for their odour, and removing them would be expected to reduce that odour as required in claims 18 and 19. Thus claims 2, 18 and 19 are not novel or inventive in light of D1. In addition, none of the remaining claims 3-17, 20-24 and 33-35 appear to add any new or inventive material beyond the purview of a skilled addressee.

D2 discloses adding red mud to a composting process, but not the use of neutralised red mud as required by claim 25. Hence claim 25-32 are novel in light of D2.

All claims are industrially applicable.